

ABSTRACT

A method and device for adaptive control of transmission parameters such as data rate, fragmentation and request to send protection. Packet error rates for frames transmitted with and without request to send protection are computed and compared to determine whether error rates are attributable to noise or to collision. If error rates are attributable to noise, data rates may be adjusted and fragmentation may be activated. If error rates are attributable to collisions, request to send protection may be activated or adjusted.